

CUTTING GUIDE WITH INTEGRAL CLAMPING AND ALIGNMENT

Abstract of the Disclosure

A portable guide for use with portable power tools such as saws and routers to assist in making straight cuts or grooves precisely located in panels or sheets by moving the tool along a planar side surface 64 of a guide bar 10. Clamp assemblies 20R and 20L secure the guide bar 10 to the workpiece and support the workpiece by clamping the workpiece on both sides of the line of cut via a tightening clamp screw 26 and planar clamp plate 28 that forcefully urge the workpiece into contact with an angle portion 66 of the frame 21 of the clamp assemblies 20R and 20L. The clamp assemblies 20R and 20L are designed to avoid interference between the clamp assemblies and the cutter portion of the power tool. A template 40 precisely locates the clamp assemblies relative to the line of cut. A lateral guide 30 may be attached to the tool without tool modification. The lateral guide 30 interacts slidably with the guide bar 10 and maintains engagement between the side surface 64 of the guide bar 10 and the power tool.